

Message

From: Hamilton, John (IHS/PHX) [John.Hamilton@ihs.gov]
Sent: 3/29/2013 6:08:52 PM
To: Lee, Bessie [Lee.Bessie@epa.gov]; Andrew Gashwazra [agashwazra@htha.org]; Anita Bahnimptewa [csasipaulovi@gmail.com]; April Ahownewa [aahownewa@hopi.nsn.us]; Arnell Sieweyumptewa [asiewe_3@yahoo.com]; Bonnie Secakuku [sdcadmin@hopitelecom.net]; bjsecakuku@yahoo.com; brad.rea@ihs.gov; Bruce Fredricks [fredericks12@vzw.blackberry.net]; Carmelita Coochumptewa [c.cooch01@yahoo.com]; Celestine Pablo [celestine.pablo@bia.gov]; Chuck Villa [kanzawindkaw@yahoo.com]; Clayton Honyumptewa [chonyumptewa@hopi.nsn.us]; Cristal Quinn [cristal_a._quinn@hud.gov]; David Talayumptewa [david.talayumptewa@bie.edu]; ecal@moenkopidevelopers.com; Matson, Eric (IHS/PHX) [Eric.Matson@ihs.gov]; Everett Calnimptewa [ecalnimptewa@hotmail.com]; Gail Poley [gpoley4@yahoo.com]; Garlyn Navakuku [garlyn.navakuku@bie.edu]; GSHonanie@hopi.nsn.us; Glenn Allison [glenn.allison@bie.edu]; Jacquelyn Lamson [jmsumatzkuku@yahoo.com]; Jay Charnholm [jcharnholm@rcac.org]; John Graves [john.gravesjr@bia.gov]; John Krause [John.Krause@bia.gov]; Jonathan Lomakema [jplomakema@yahoo.com]; VanVleet, Joshua (IHS/PHX) [joshua.vanvleet@ihs.gov]; Kathleen Sumatzkuku [kasumatzkuku@gmail.com]; Kerry Brough [kerry.brough@ghd.com]; Kristin Sieweyumptewa [sieweyumptewa@hotmail.com]; Leroy Sumatzkuku [lsumatz@myway.com]; Reeves, Linda [Reeves.Linda@epa.gov]; lpuhuyesva@hopi.nsn.us; Lorena Naseyowma [lnaseyowma@frontiernet.net]; Loretta Orona [loretta.orona@az.usda.gov]; Felter, Marcus J (IHS/PHX) [Marcus.Felter@ihs.gov]; Mary Navanick [MNavanick@hopi.nsn.us]; Melvin Todacheene [Melvin.Todacheene@bia.gov]; Micah Lomaomvaya [mlomaomvaya@hopi.nsn.us]; Michael Janes [michael.janes@ghd.com]; Mike Luecker [mike.luecker@az.usda.gov]; PERKINS, SUSANNE [Perkins.Susanne@epa.gov]; Mitchell, Peter J (IHS/PHX) [Peter.Mitchell@ihs.gov]; Phyllis Wittsell [wittsellp@yahoo.com]; Randy Wolff [randy@experiencehopi.com]; Robert Charley [rcharley@hopi.nsn.us]; Lorenz, Robert (IHS/PHX) [Robert.Lorenz@ihs.gov]; Robert Mahkewa [mahkewajr@yahoo.com]; Ronald Wadsworth [tsivookvasa@yahoo.com]; Ronalyn Outie-Rios [r.outie_rios@yahoo.com]; Royce Jenkins [royce_jenkins@hopi.nsn.us]; Samuel Shingoitewa [srshingoitewa@gmail.com]; Sheryllyn Honanie [shonanie@hopi.nsn.us]; Sherwin Heaton [s-mheaton@centurylink.net]; Shungopavi Administration [shungopaviinfo@gmail.com]; Susan Secakuku [secakuku@hopitelecom.net]; UMowa@hopi.nsn.us; uppermoenkopi@yahoo.com; Wendell Honanie [Wendell.Honanie@bia.gov]; Yvonne Day [yday@hopi.nsn.us]; Yvonne Hoosava [yhoosava@yahoo.com]
CC: blee@jps.net
Subject: Summary of Hopi Water Infrastructure Monthly Conference Call, Wednesday, March 6, 2013

Bessie and Lionel,

Here is a summary of the March 6, 2013 monthly conference call regarding Hopi infrastructure projects. The next call is scheduled for Wednesday, April 3, 2013 and Bessie will provide the agenda and call-in phone number.

Participants:

BIA...Wendell Honanie
USDA...Loretta Orona
HUD...Cristal Quinn
IHS...Josh Van Vleet, Marcus Felter, Peter Mitchell, Brad Rea and Robert Lorenz
EPA...Bessie Lee, Susanne Perkins and John Hamilton
Upper Village of Moenkopi...Gov. Sam Shingoitewa, Randy Wolff, Yvonne Hoosava, and Jackie Sumatzkuku
Lower Moencopi...Lorena Naseyowma
Sipaulovi...Susan Secakuku, King Honanie, and Willy Honanie
Hopi WRP...Lionel Puhuyesva
Consultants...Kerry Brough and Mike Janes

Hopi Arsenic Mitigation Project (HAMP):

1. USDA provided comments on the draft PER, and IHS is revising the document to address concerns, including a capital cost and operating cost comparison of alternatives for arsenic mitigation for the villages, including both arsenic treatment in each village and the preferred alternative HAMP project, which includes arsenic compliant water from wells planned for the Turquoise Trail area, near the Hardrocks community. Another planning document

that is being updated is the strategic plan, which will include more information on a potential HAMP connection to the three BIA water systems at Keams Canyon, the Jr/Sr High School and SMDS.

2. Completion of the draft EA is pending receipt of the cultural report from HCPO (which has now been completed and incorporated into the document). The draft EA has since been forwarded to cooperating agencies, and Lionel and Marcus will meet with village representatives to provide copies of the document and answer questions. The EA is available on our consultant's website: http://www.marroninc.com/downloads_2/, access with user name: guest@marroninc.com and password: marrondoc
3. Award of the well drilling contract is pending a Tribal Council resolution, which is apparently intended to waive sovereign immunity for this work. This process also includes a modification of the contract "boilerplate contracting language regarding the waiver and dispute arbitration. IHS is hoping the contract can be awarded shortly, as drilling and testing two wells can take 6-9 months, and the project is dependent on completion of the wells.
4. Sipaulovi reports the village is completing a \$2 million HUD CDBG application, which will include approximately 8700 LF of 8" diameter water main connecting Upper and Lower villages. This main is part of the HAMP water transmission facilities, so the village has worked with IHS to coordinate planning activities. The HUD application will also include a 100,000 gallon water storage tank and local water system upgrades. On our last call, HUD indicated there are several "tribal enforcement" issues that will need to be resolved before HUD approves another CDBG application.
5. BIA is considering whether the agency could support moving forward with connections to the HAMP for the three BIA operated water systems listed above, although a final decision and funding may be months in the future. The agency has had discussions at the HQ level with IHS regarding capital and operating cost estimates, and we believe they are talking to the Hopi Tribe and Tribal attorneys. Nothing is settled at this point, although HAMP planning has always included the potential and capacity for BIA connection, because the overall regionalization would help both the agency and the Hopi Tribe and villages in sustaining the new water system. The BIA agency is not directly involved, although they have supported the concept.
6. Brad asked about EPA's position on the January 23, 2015 arsenic compliance deadline? Bessie said EPA's new enforcement division should start "outreaching" to villages, the Tribe and the HAMP planning team and she will invite their participation in our April 3, 2013 conference call.

General Hopi and Agency Water Infrastructure Issues

7. Federal agencies are subject to furlough of employees and this is expected to begin in April. EPA has determined that employees will be furloughed for 13 days during the balance of this fiscal year (before October 1, 2013) and HUD will furlough staff for 7 days. IHS has not yet determined the number of furlough days.
8. Bessie will be working at both Hopi and Navajo the week of March 18, including conducting sanitary surveys at Shungopavi and Lower Moencopi on March 21. She plans to meet with Lionel at Hopi WRP on Tuesday, March 19.
9. EPA would like to work with the Tribe to plan for mitigation of water supply problems resulting from freezing. Brad said the pipeline at First Mesa, which extends water to the mesa top communities froze once again, although eventually the line will be replaced with a direct connection to the HAMP water transmission line in the saddle. He also said perhaps some water service lines should be buried deeper?

Shungopavi Project:

10. Schaum and Sons and their electrical subcontractor have completed all of the contract scope of work, including the electrical transformer and repair of the water tank backflow preventer. Electrical conduit extending up the tank has been damaged by vandalism, probably resulting from kids climbing the tank. The well pump is presently controlled by a pressure switch, and it may be advisable to change this to utilize the float controls in the tank with a radio signal to the well. While this work is not in the present scope of work, the village and tribe will consider a quote from the contractor, which should be in the range of \$5000.
11. Schaum provided operator training to Leslie and Vern regarding the final components of the project.
12. Mike will check with Caldwell Tank about energizing the cathodic protection for the water storage tank. Caldwell's contract was closed out, so they may not be available? If not, it may be fairly straight-forward, if Caldwell can provide a wiring diagram, as there are 4 wires that are not labeled at the junction box.

13. Even though Gene resigned as village CSA, he has been helping out as a consultant, although the Hopi tribe will need to decide if this is an allowable expense.
14. The EPA drinking water infrastructure grant for the new water tank, work at the well and improvements to the water distribution system is completed and now closed-out. Approximately \$22,000 of grant funds remain after completion of this project. EPA will schedule a conference call with HUD and Hopi WRP regarding managerial and financial issues.
15. The new EPA grant to fund a 2000 LF extension of the Shungopavi water system north along SR 264, which will ultimately be part of the HAMP project, should be finalized shortly pending completion of a final cost estimate. There are known cultural sites along the alignment, which will be avoided.

Upper Moenkopi Water and Wastewater:

16. EPA's wastewater compliance officer, Susanne Perkins, asked if the Hopi Tribe has a "substantial interest" in EPA's ongoing NPDES discharge permit enforcement action? EPA had sent a letter to the Tribal Chairman, but received no formal response. To date communication in response to this letter has been verbal from legal consultants retained by the Tribe. EPA did receive a response from Moenkopi on the 308 letter and the agency is reviewing the response to assure that all of EPA's questions and issues have been addressed.
17. Randy said the wastewater treatment plant is being operated in compliance with their discharge permit, and the operators are David and Fred.
18. The village remains interested in reuse of treated wastewater effluent for crop irrigation. Susanne was not yet able to forward information to the village for consideration of wastewater reuse. The Hopi WRP stated an objection to reuse of this water for food crops, although they may be in OK with use on crops intended for animal consumption. Moenkopi representatives said from 5 to 15 farmers use the effluent at no cost, and the sewage effluent flows in an irrigation ditch from the treatment plant to the fields. Some of these farmers gave up land for the wastewater treatment plant construction. During the growing season, an estimated 35,000 gallons of effluent are used daily on food crops such as corn, beans, chili, squash, and watermelon. This practice is specifically **not authorized** under the NPDES permit and the practice was a "finding" in the 2012 EPA inspection report. The village reports that irrigation water from Pasture Canyon, which is commonly used by Hopi farmers in this area, is not piped to the fields using the sewage effluent. Also Pasture Canyon irrigation water routinely is an inadequate supply for all the farming needs in the community and this supply decreases in July.
19. The EPA drinking water infrastructure grant for the new well and water treatment plant is completed and now closed-out. The related HUD CDBG grant had been extended, but will also be closed-out soon. Cristal asked the village and Hopi WRP forward an estimate for automatic well pump controls and RO treatment plant operations, which may be the final elements of this project.
20. The RO water treatment plant is being operated by Kee and Leonard with assistance from GHD's operator, Notah. There are no current operational problems, although the village will need to decide on an operational schedule for the high water demand summer months, perhaps Monday – Friday?
21. Ronalyn is responsible for all safe drinking water act compliance monitoring and she has forwarded lab reports to EPA, although the December 2012 reports are not in? Bessie will work with the village and MDC on the CCR, which is due to be completed and distributed by April 1, 2013. Bessie asked the draft CCR be provided for EPA review. Vinton and Earl are working on the CCR for Lower Moenkopi. The monitoring schedule will be updated and provided to UVM in April, although quarterly monitoring of the RO treatment plant is a known requirement. Coliform sampling reports must be into EPA by the 10th of the month. A VOC sample must be submitted annually.
22. Randy said MDC has placed construction of the new water storage tank "on hold", as HUD needs to approve the completed NEPA before construction. in early March. Engineering is underway for design of the connection piping and electrical controls.

John Hamilton, PE
EPA Engineering Consultant